

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



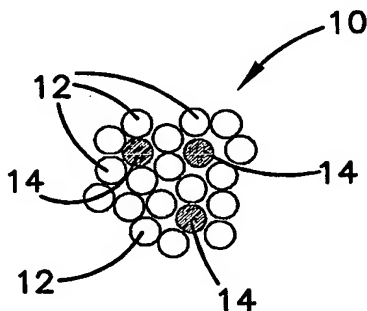
(43) International Publication Date  
22 July 2004 (22.07.2004)

PCT

(10) International Publication Number  
**WO 2004/061011 A2**

- (51) International Patent Classification<sup>7</sup>: **C09C**
- (21) International Application Number:  
PCT/US2003/041469
- (22) International Filing Date:  
22 December 2003 (22.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/436,795 26 December 2002 (26.12.2002) US
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant and  
(72) Inventor: FENELON, Terry [US/US]; 670 Laura Court, Mendota Heights, MN 55118 (US).
- (74) Agent: BRUESS, Steven, C.; Merchant & Gould P.C., P.O. BOX 2903, Minneapolis, MN 55402-0903 (US).
- Published:  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PIGMENT AGGLOMERATES, THEIR MANUFACTURE, AND USE



(57) Abstract: A pigment agglomerate and method of making the pigment agglomerate. The agglomerate is a collection of pigment particles and at least one carrier particle, the pigment particles and carrier particle held together by interparticle forces such as magnetic forces, electrostatic forces, van der Waal's forces, and other physical or chemical interparticle forces. A chemical surface treatment or other treatment may be applied to either or both of carrier particles and pigment particles in order to improve the interparticle forces therebetween. No binder, such as a polymeric binder or adhesive, is used to adhere or maintain the particles together forming the agglomerates.